

CLAIMS

1. A lighting assembly comprising:  
a housing;  
an organic light emitting diode (OLED) light source mounted in the housing;  
a power source for the OLED; and  
a light transmissive portion of the housing allowing light from the OLED light source to pass therethrough.
2. The lighting assembly of claim 1 further comprising a diffuser interposed between the OLED light source and the light transmissive portion for diffusing the light received from the OLED.
3. The lighting assembly of claim 1 wherein the power source further includes a photovoltaic panel for generating electrical energy from ambient light.
4. The lighting assembly of claim 1 wherein the power source includes a light sensor for selectively disconnecting the power source with the OLED in response to a predetermined level of ambient light.
5. The lighting assembly of claim 1 further comprising a reflector for directing light from the OLED light source toward the light transmissive portion of the housing.
6. The lighting assembly of claim 1 further comprising a reflector for directing light from the OLED light source toward a diffuser interposed between the OLED light source and the light transmissive portion.

7. The lighting assembly of claim 1 wherein the diffuser is a hollow cylinder enclosing the OLED.

8. The lighting assembly of claim 7 wherein the OLED is located at first end of the cylinder and a reflector is located at a second end thereof.

9. The lighting assembly of claim 1 wherein the OLED is located at a first end of the housing and a diffuser is located at a second end of the housing.

10. The lighting assembly of claim 1 wherein the power source includes a photovoltaic panel for generating electrical energy from ambient light and providing low voltage on the order of 12 volts for outdoor landscape lighting.

11. The lighting assembly of claim 10 further comprising a rechargeable battery that is selectively charged by the photovoltaic panel and a light sensor that selectively connects the power source with the OLED in response to a predetermined level of ambient light.

12. An outdoor landscape lighting assembly comprising:  
a housing;  
an organic light emitting diode (OLED) light source mounted in the housing and sealed from the external environment;  
a low power source for the OLED including a photovoltaic panel for selectively charging a rechargeable battery; and  
a light transmissive portion of the housing allowing light from the OLED light source to pass therethrough.

13. The outdoor landscape lighting assembly of claim 12 further comprising a diffuser interposed between the OLED light source and the light transmissive portion for diffusing the light received from the OLED.

14. The outdoor landscape lighting assembly of claim 12 wherein the power source includes a light sensor for selectively disconnecting the power source with the OLED in response to a predetermined level of ambient light.

15. The outdoor landscape lighting assembly of claim 12 further comprising a reflector for directing light from the OLED light source toward a diffuser interposed between the OLED light source and the light transmissive portion.

16. The outdoor landscape lighting assembly of claim 12 wherein the diffuser is a hollow cylinder enclosing the OLED.

17. The outdoor landscape lighting assembly of claim 16 wherein the OLED is located at first end of the cylinder and a reflector is located at a second end thereof.

18. The outdoor landscape lighting assembly of claim 12 wherein the OLED is located at a first end of the housing and a diffuser is located at a second end of the housing.